

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 23, 2004, 16:01:09 ; Search time 42 Seconds

(without alignments)
1424.254 Million cell updates/sec

Title: US-09-445-480b-2

Perfect score: 1287

Sequence: 1 MALSQNAKFKSKGVYVWV.....VDSGVKVGSDVFRKPTC 231

Scoring table:

Gapop 10.0, Gapext 0.5

Searched: 1049977 seqs, 25895539 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications AA:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	272	21.1	2749	15	US-10-360-101-265
2	259.5	20.2	447	10	US-09-796-753-90
3	259	20.1	427	9	US-09-908-711-76
4	259	20.1	427	9	US-09-764-851-60
5	259	20.1	434	11	US-09-764-875-827
6	255.5	19.9	452	14	US-10-247-451-41
7	255.5	19.8	452	15	US-10-247-451-41
8	254.5	19.8	310	9	US-09-796-753-88
9	254.5	19.8	446	10	US-09-796-753-88
10	254.5	19.8	446	14	US-10-247-451-1
11	254.5	19.8	446	15	US-10-247-451-1
12	253.5	19.7	409	9	US-09-908-711-122
13	253.5	19.7	409	9	US-09-764-851-798
14	252.5	19.6	408	14	US-10-203-708-39
15	252.5	19.6	434	14	US-10-247-451-2

16	252.5	19.6	434	14	US-10-203-708-40	Sequence 40, Appl
17	252.5	19.6	434	15	US-10-247-451-2	Sequence 2, Appl1
18	252.5	19.6	435	15	US-10-458-143-4	Sequence 4, Appl1
19	252.5	19.6	441	12	US-10-257-174-48	Sequence 48, Appl
20	247.5	19.2	238	9	US-09-925-300-941	Sequence 941, Appl
21	245.5	19.1	1376	12	US-10-211-462-117	Sequence 117, Appl
22	245.5	19.1	1376	14	US-10-021-660-103	Sequence 103, Appl
23	245.5	19.1	1376	14	US-10-342-103-16	Sequence 16, Appl1
24	244	19.0	863	14	US-10-342-103-12	Sequence 12, Appl1
25	244	19.0	863	14	US-10-342-103-12	Sequence 12, Appl1
26	216.5	16.8	366	14	US-10-029-386-33945	Sequence 33945, A
27	161	12.5	439	14	US-10-205-823-383	Sequence 383, Appl
28	159	12.4	442	14	US-10-205-823-383	Sequence 129, Appl
29	156	12.1	442	14	US-09-745-763-138	Sequence 138, Appl
30	156	12.1	442	9	US-09-978-295A-442	Sequence 442, Appl
31	156	12.1	442	9	US-09-978-295A-442	Sequence 442, Appl
32	156	12.1	442	9	US-09-978-295A-442	Sequence 442, Appl
33	156	12.1	442	9	US-09-978-295A-442	Sequence 442, Appl
34	156	12.1	442	9	US-09-978-295A-442	Sequence 442, Appl
35	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
36	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
37	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
38	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
39	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
40	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
41	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
42	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
43	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
44	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl
45	156	12.1	442	10	US-09-978-189-442	Sequence 442, Appl

ALIGNMENTS

US-10-360-101-265	Sequence 265, Application US/10360101
Publication No. US20040059550A1	
GENERAL INFORMATION:	
APPLICANT: Moll, Gert N.	
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way	
FILE REFERENCE: 2183-5673	
CURRENT APPLICATION NUMBER: US/10/360,101	
PRIOR FILING DATE: 2003-02-07	
PRIOR FILING DATE: 2002-05-24	
NUMBER OF SEQ ID NOS: 309	
SOFTWARE: PatentIn version 3.1	
SEQ ID NO 265	
LENGTH: 2749	
TYPE: PRT	
ORGANISM: Artificial Sequence	
FEATURE:	
OTHER INFORMATION: sequence of thyroglobulin	
US-10-360-101-265	
Query Match	21.1%; Score 272; DB 15; Length 2749;
Best Local Similarity	26.7%; Pred. No. 7e-17;
Matches	75; Conservative 32; Mismatches 80; Indels 94; Gaps 9;
QY	32 ASLTGCO-QQASANGILG---TYVPQCKETGEFEERKQMSSTGYCWCVDDEKEITG 86
DB	72 ACLSPQDQKQQLILSGYINSTSYLPQCQDGDYAPVQCDVQVQVCWCVAEMEYVG 131
QY	87 TIRGSPD-CSSRKALTLICOMQALIVNPGCPSPCAGSGFDEVOCCASN-----139
DB	132 TQGLRPRKPRKPS-----CETRRRLILHGVGKSPKPSAGFEPVQCKEVNTTDMKI 185
QY	140 -----GECYCDVKKEKELEGRROO-----158
DB	186 EDLVHSYRPPDAFVTFSSQRRPEVSGYCHCADSQRLHETGLLELLDETITDTIPAG 245

Wed Mar 24 12:45:13 2004

us-09-445-480b-2.rapb

Page 2

QY 159 -----GRPTCRHLSECEARIRKANSLSRYEMFVEE 190
DB 246 LDLPSTFTTITRIQRRLAVQSVISGRPC---TKCEVERFLATSPG---HPYVPS 299
QY 191 CLEGGSYNPVQCPSTGYCWCVDGCVKPGSDVRFKRPIC 231
DB 300 CRANGDYQAVQC-QTEGFCWCVDPAQCKEMHGTROGEPSPSC 339

RESULT 2
US-09-796-753-90
; Sequence 90, Application US/09796753
; Publication No. US20030027998A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
; FILE REFERENCE: 7853-227-999
; CURRENT APPLICATION NUMBER: US/09/796,753
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/183,175
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/259,388
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/122,458
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/345,464
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/365,164
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/399,723
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 09/409,634
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 09/471,179
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/474,071
; PRIOR FILING DATE: 1999-12-29
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; PRIOR FILING DATE: 2000-02-25
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; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/572,002
; PRIOR FILING DATE: 2000-05-14
; PRIOR APPLICATION NUMBER: 09/597,993
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; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 09/606,565
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/606,317
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: 09/677,751
; PRIOR FILING DATE: 2000-09-30
; NUMBER OF SEQ ID NOS: 162

; SEQ ID NO 90
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-796-753-90
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Best Local Similarity 28.9%; Pred. No. 1.2e-16;
Matches 58; Conservative 30; Mismatches 86; Indels 27; Gaps 5;

QY 41 QASANSGLITGVPOCKETGEFEKQCMSTGYCWCVDDEKELITKI-RSPDCSRRK 99
DB 98 OQARKEFOQVFTPECDNDGYTSQVCHSYTYCWCVPNRPISGTAVAHKTPRCP--- 154
QY 100 AALITLCQMMQALITVNPVGMWC-----PPSCADGSEFDEVOCASNGECYCDKXKE 151
DB 155 -----GINKVYFORBAGKADDAAPALFTQPGDEBDIASYPTLMTGCVKSRQ 205
QY 152 LESTROQGRPTCRHLSECEARIRKANSLSRYEMFVEEPCLEDSYNPVCWSTGYCWC 211
DB 206 NKTNNKASSCDQHQSLALEAKQPKNDN-----VVIPECAHGLYKPVCHBSTGYCWC 260
QY 212 V-DEGCVKPGSDVRFKRPIC 231
DB 261 VLVDTGRPIPGTSTRYQPKC 281

RESULT 3
US-09-908-711-76
; Sequence 76, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17

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; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 76
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-908-711-76

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Query Match          20.1%; Score 259; DB 9; Length 427;
Best Local Similarity 29.6%; Pred. No. 1.3e-16;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTVYPCKETGEFEKQCMSTGYCWCVDDEGKELGTGKI-RGSPDC----- 95
DB 68 QEQARKFEQGVFIPECNDDGTYSQVCHSTYTCWCVTNRPISGTAVAHKTPTCPGSAV 127
QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVOCASNGECYCVDKKXK 150
DB 128 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLMTBQVYSR 185
QY 151 ELEGTROQGRPTGER-HISECEERIKAHNSLRVEMFVPECLDGSYNPVQCMWSTGYC 209
DB 166 Q-NKTNKNSVSSCDDEHQSALAEAKQPKNDN-----VWPECAHGLIYKPVQCHPSTGYC 239
QY 210 WCV-DEGQVAVPGSDVRFKRPCTC 231
DB 240 WCVLVDTGRPIGTSTRTREQPKC 262

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RESULT 4
US-09-764-853-610
; Sequence 610, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PU206

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; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 610
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-610

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Query Match          20.1%; Score 259; DB 9; Length 427;
Best Local Similarity 29.6%; Pred. No. 1.3e-16;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTVYPCKETGEFEKQCMSTGYCWCVDDEGKELGTGKI-RGSPDC----- 95
DB 68 QEQARKFEQGVFIPECNDDGTYSQVCHSTYTCWCVTNRPISGTAVAHKTPTCPGSAV 127
QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVOCASNGECYCVDKKXK 150
DB 128 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLMTBQVYSR 185
QY 151 ELEGTROQGRPTGER-HISECEERIKAHNSLRVEMFVPECLDGSYNPVQCMWSTGYC 209
DB 166 Q-NKTNKNSVSSCDDEHQSALAEAKQPKNDN-----VWPECAHGLIYKPVQCHPSTGYC 239
QY 210 WCV-DEGQVAVPGSDVRFKRPCTC 231
DB 240 WCVLVDTGRPIGTSTRTREQPKC 262

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RESULT 5
US-09-764-875-827
; Sequence 827, Application US/09764875
; Publication No. US20040018969A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PU202
; CURRENT APPLICATION NUMBER: US/09/764,875
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1249
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 827
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-875-827

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Query Match          20.1%; Score 259; DB 11; Length 434;
Best Local Similarity 29.6%; Pred. No. 1.3e-16;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTVYPCKETGEFEKQCMSTGYCWCVDDEGKELGTGKI-RGSPDC----- 95
DB 75 QEQARKFEQGVFIPECNDDGTYSQVCHSTYTCWCVTNRPISGTAVAHKTPTCPGSAV 134
QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVOCASNGECYCVDKKXK 150
DB 135 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLMTBQVYSR 192
QY 151 ELEGTROQGRPTGER-HISECEERIKAHNSLRVEMFVPECLDGSYNPVQCMWSTGYC 209
DB 193 Q-NKTNKNSVSSCDDEHQSALAEAKQPKNDN-----VWPECAHGLIYKPVQCHPSTGYC 246
QY 210 WCV-DEGQVAVPGSDVRFKRPCTC 231
DB 247 WCVLVDTGRPIGTSTRTREQPKC 269

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RESULT 6

TELEPHONE: (650) 855-0555

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; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GBLANOT02
; CLONE: 2530650
; SEQUENCE DESCRIPTION: SEQ ID NO: 58 :
US-09-799-777-58

Query Match      19.8% Score 254.5; DB 9; Length 310;
Best Local Similarity 28.2%; Pred. No. 2.3e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

QY 41 QASANSGLIGTVYPQCKETFEFEKQWGSTGYCWCVDDEGKELIGTKI-RGSPDCRRK 99
DB 98 QEQARKPEQOVRIFPCNDNDGTYSQVQCHSYTGCMCVTPNGRPISTAVAHKTRPC-----153
QY 100 AALTLQMMQALIVNPGWCGP--PSCKADGSFDEV-----OCCASNGECYC 144
DB 154 -----PQSVNFKLPQRBGTGKTDDAAPALLETQPGDEBIDIASRYPTLM 197
QY 145 VDKKKELEGTROQGRPTCER-HLSCCEARIKAHNSLRVEMFVPECLDEGSYNPVQCM 203
DB 198 TEOVKSRQKTKNKSVSSCDQEHQSLERAPQPNND-----VVIPECAHGILKYPVQCH 252
QY 204 PSTGYCMCV-DEGGYKVPKSDVAFKRPCTC 231
DB 253 PSTGYCMCVLVDTRPIRGISTRYEQPKC 281

RESULT 9
US-09-796-753-88
; Sequence 88, Application US/09796753
; Publication No. US20030027998A1
; GENERAL INFORMATION:
; APPLICANT: McCarty, Sean A.
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
; FILE REFERENCE: 7853-227-999
; CURRENT APPLICATION NUMBER: US/09/796,753
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/183,175
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/259,388
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/122,458
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
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; PRIOR APPLICATION NUMBER: 09/399,723
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; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/474,071

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; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/474,072
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/514,010
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; PRIOR FILING DATE: 2000-03-01
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; PRIOR APPLICATION NUMBER: 09/597,993
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; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 09/606,565
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/606,317
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: 09/677,751
; PRIOR FILING DATE: 2000-09-30
; NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 88
; LENGTH: 446
; TYPE: RPT
; ORGANISM: Homo sapiens
US-09-796-753-88

Query Match      19.8% Score 254.5; DB 10; Length 446;
Best Local Similarity 28.2%; Pred. No. 3.7e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

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QY 41 QASANSGLIGTVYPQCKETFEFEKQWGSTGYCWCVDDEGKELIGTKI-RGSPDCRRK 99
DB 98 QEQARKPEQOVRIFPCNDNDGTYSQVQCHSYTGCMCVTPNGRPISTAVAHKTRPC-----153
QY 100 AALTLQMMQALIVNPGWCGP--PSCKADGSFDEV-----OCCASNGECYC 144
DB 154 -----PQSVNFKLPQRBGTGKTDDAAPALLETQPGDEBIDIASRYPTLM 197
QY 145 VDKKKELEGTROQGRPTCER-HLSCCEARIKAHNSLRVEMFVPECLDEGSYNPVQCM 203
DB 198 TEOVKSRQKTKNKSVSSCDQEHQSLERAPQPNND-----VVIPECAHGILKYPVQCH 252
QY 204 PSTGYCMCV-DEGGYKVPKSDVAFKRPCTC 231
DB 253 PSTGYCMCVLVDTRPIRGISTRYEQPKC 281

RESULT 10
US-10-247-451-1
; Sequence 1, Application US/10247451
; Publication No. US20030118579A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Krasnow, Randi E.
; TITLE OF INVENTION: SPARC-RELATED PROTEINS
; FILE REFERENCE: PC-0015-1 CIP
; CURRENT APPLICATION NUMBER: US/10/247,451
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 09/642,703
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 09/349,015
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 09/840,787
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 6,132,973
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 5,932,442
; PRIOR FILING DATE: 1999-08-03

```

NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 446
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20030118579A1 2617724.orf1
US-10-247-451-1

Query Match 19.8%; Score 254.5; DB 14; Length 446;
Best Local Similarity 28.2%; Pred. No. 3.7e-16; Index 43; Gaps 7;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

QY 41 QASANSGLIGTVYPQCKETGEFEKQCMGSGTCVCVDDEGKILGTI-RGSPDCSRK 99
DB 98 QEQARKFQGVPIPECNDDGYISQVCHSYTCVCVTPNGRPISGTAVAKTIRC-----153
QY 100 AALTLQMMQAIIVNPGWGP--PSCKADGSFDEV-----QCCASNGEYC 144
DB 154 -----PGSVNEKLPGREGTGKTDDAAPALETOPQGDDEDIASRYPTLW 197
QY 145 VDKKKELEGTRQGGPTGER-HLSEGEARIKASNSLRVEMFVEPELDSYYPVQW 203
DB 198 TEQVSRONKTNKNSVSSCDQHOSALEBAKOPKNDN-----VIVPCAHGLYKPVQCH 252
QY 204 PSTGYCMCV-DEGGVVPGSVDVRFKRPCTC 231
DB 253 PSTGYCMCVLVDTGRPIPGTSTRYEQKPC 281

RESULT 11
US-10-247-451-1
Sequence 1, Application US/10247451
Publication No. US20040018188A9
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Krasnow, Randi E.
TITLE OF INVENTION: SPARC-RELATED PROTEINS
FILE REFERENCE: PC-0015-1 CIP
CURRENT APPLICATION NUMBER: US/10/247,451
PRIOR FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: 09/642,703
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 09/349,015
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: 09/840,787
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: 6,132,973
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 5,932,442
PRIOR FILING DATE: 1999-08-03
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 446
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20040018188A9 2617724.orf1
US-10-247-451-1

Query Match 19.8%; Score 254.5; DB 15; Length 446;
Best Local Similarity 28.2%; Pred. No. 3.7e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;
QY 41 QASANSGLIGTVYPQCKETGEFEKQCMGSGTCVCVDDEGKILGTI-RGSPDCSRK 99
DB 98 QEQARKFQGVPIPECNDDGYISQVCHSYTCVCVTPNGRPISGTAVAKTIRC-----153

QY 100 AALTLQMMQAIIVNPGWGP--PSCKADGSFDEV-----QCCASNGEYC 144
DB 154 -----PGSVNEKLPGREGTGKTDDAAPALETOPQGDDEDIASRYPTLW 197
QY 145 VDKKKELEGTRQGGPTGER-HLSEGEARIKASNSLRVEMFVEPELDSYYPVQW 203
DB 198 TEQVSRONKTNKNSVSSCDQHOSALEBAKOPKNDN-----VIVPCAHGLYKPVQCH 252
QY 204 PSTGYCMCV-DEGGVVPGSVDVRFKRPCTC 231
DB 253 PSTGYCMCVLVDTGRPIPGTSTRYEQKPC 281

RESULT 12
US-09-908-711-122
Sequence 122, Application US/09908711
Patent No. US20020045230A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA128
CURRENT APPLICATION NUMBER: US/09/908,711
PRIOR FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US01/01360
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,867
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01344
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,892
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01345
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,888
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01329
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,905
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01354
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,891
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01339
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,869
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01340
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,874
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01334
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,898
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01320
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,853
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01349
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,902
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01239
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,870
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01348
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,882
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01347
PRIOR FILING DATE: 2001-01-17

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RESULT 13
US-09-764-853-798
? Sequence 798, Application US/09764853
? Patent No. US20020090672A1
? GENERAL INFORMATION:
? APPLICANT: Rosen et al.
? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: PJ206
? CURRENT APPLICATION NUMBER: US/09764,853
? CURRENT FILING DATE: 2001-01-17
? Prior application data removed - consult PALM or file wrapper
? NUMBER OF SEQ ID NOS: 939
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 798
? LENGTH: 409
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:

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[illegible]

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RESULT 14
US-10-203-708-39
? Sequence 39, Application US/10203708
? Publication No. US20030149238A1
? GENERAL INFORMATION:
? APPLICANT: SMITHKLINE BEECHAM CORPORATION
? APPLICANT: SMITHKLINE BEECHAM P.L.C.
? TITLE OF INVENTION: NOVEL COMPOUNDS
? FILE REFERENCE: GP50013
? CURRENT APPLICATION NUMBER: US/10/203,708
? CURRENT FILING DATE: 2002-08-13
? PRIOR APPLICATION NUMBER: PCT/US01/04703
? PRIOR FILING DATE: 2001-02-14
? PRIOR APPLICATION NUMBER: 60/182,172
? PRIOR FILING DATE: 2000-02-14
? PRIOR APPLICATION NUMBER: 60/186,084
? PRIOR FILING DATE: 2000-02-29
? NUMBER OF SEQ ID NOS: 46
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 39
? LENGTH: 408
? TYPE: PRT
? ORGANISM: Homo sapiens
US-10-203-708-39

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Query Match	19.6%	Score 252.5	DB 14	Length 408
Best Local Similarity	31.7%	Pred. No. 5,2e-16		
Matches	70	Conservative 26	Mismatches 88	Indels 37
			Gaps 8	
QY	31	EASLYKQ---- <td>86</td> <td></td>	86	
		::: ::		
Db	56	DAGOSKRCLEBALALQAKKPEAVFPEBCGDSEFTYQCHYICQCTPBGKRIIS	115	
		::: ::		
QY	87	TKLRG--SDGRRRKALTLQCMALIVNPPWCGPBCACADS-----FDEVQ	134	
		::: ::		
Db	116	SSYQKTPVCGSGSYTKXPLSQ-----GNSGRKDDSKPFTMETQVDFGDE	162	
		::: ::		
QY	135	CASNGECYCVDKKKELEGTROQGR---TCERLTSCBEARIKAHNSLEIYVMEFVPC	191	
		::: ::		
Db	163	ITAPLTWIKHLVKDKSKNTNININSEKXYSQDQ---ERQSALBEHQQNP-REYIVIEPC	218	
		::: ::		
QY	192	LEDGSYNYVQCMPTSTQCMCV-DEGGRKTPGSDVAFKRPIC	231	
		::: ::		
Db	219	APGGLYKRYVQCHQSTYICMCLVDTGRLPGSTIKTYVWPGC	259	
		::: ::		

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US-10-247-451-2
; Sequence 2, Application US/10247451
; Publication No. US20030118579A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Krasnow, Randi E.
; APPLICANT: Murry, Lynn E.
; TITLE OF INVENTION: SPARC-RELATED PROTEINS
; FILE REFERENCE: PC-0015-1 CIP
; CURRENT APPLICATION NUMBER: US/10/247,451
; PRIORITY FILING DATE: 2002-09-18
; PRIORITY APPLICATION NUMBER: 09/642,703
; PRIORITY FILING DATE: 2000-03-03
; PRIORITY APPLICATION NUMBER: 09/349,015
; PRIORITY FILING DATE: 1999-07-07
; PRIORITY APPLICATION NUMBER: 09/840,787
; PRIORITY FILING DATE: 2001-04-23
; PRIORITY APPLICATION NUMBER: 6,132,973
; PRIORITY FILING DATE: 2000-10-17
; PRIORITY APPLICATION NUMBER: 5,932,442
; PRIORITY FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030118579A1 6899373.orf2
US-10-247-451-2
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Query Match          19.6%; Score 252.5; DB 14; Length 434;
Best Local Similarity 31.7%; Pred. No. 5,6e-16;
Matches 70; Conservative 26; Mismatches 88; Indels 37; Gaps 8;

QY      31 EASLTKQ---QLQASANSGLIGTYVPCKETGEFEKQKWSGTGVCWCVDEDEKELG 86
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      89 DAGQSKCLERLAQALQAKKPOEAVFVPEGEDGSFTQVQCHTYTGVCWCVTPDKPLSG 148
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      87 TKIRG-SPDCGRRAALITLCMMQAIIYNVPGWCGPSCADGS-----FDEVQ 134
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      149 SSVQKTPVCGSGSVTKPLSQ-----GNSGRKDDGSKPTPTMETQPVFDGDE 195
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      135 CCASNGECYCVDKKKELEGTROQGRP---TCERHLSECEEARIKAHNSLRVEMFPEC 191
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      196 TRAPTMTIKHLIVYDSLTNNNTNRSEKVSQDQ---ERQSLERDAQNP-REGIVIPDC 251
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      192 LEDGSYNPVQCMPTSTGYCMCV-DEGGVYVPGSDVRFKPTC 231
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      252 APGLYKRPVQCHQSTGYCMCVLVDGRPLPSTSTRYVMPSC 292
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
```

Search completed: March 23, 2004, 16:07:14
Job time : 44 secs

; Patent No. 6524799

```

1  APPLICANT:           Malke, Michael G.
2  APPLICANT:           Kraenow, Randi E.
3  TITLE OR INVENTION: SPARC-RELATED PROTEINS
4  FILE REFERENCE:      PC-0015 CIP
5  CURRENT APPLICATION NUMBER: US/09/642,703
6  CURRENT FILING DATE: 2000-08-16
7  PRIOR APPLICATION NUMBER: 09/349,015
8  PRIOR FILING DATE:   1999-07-07
9  NUMBER OF SEQ ID NOS: 41
10 SOFTWARE:            PERL Program
11 SEQ ID NO 1
12 LENGTH: 446
13 TYPE: PRT
14 ORGANISM: Homo sapiens
15 FEATURE:
16 NAME/KEY: misc feature
17 OTHER INFORMATION: Inocyte ID No. 6524799 2617724.Orit
18 US-09-642-703-1

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Query Match	19.8%;	Score 254.5;	DB 4;	Length 446;
Best Local Similarity	28.2%;	Pred. No. 4.3e-18;		
Matches	59;	Conservative	29;	Mismatches 78;
				Indels 43;
				Gaps 7;

[illegible]

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RESULT 3
US-09-642-703-2
Sequence 2, Application US/09642703
Patent No. 6524799
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
TITLE OF INVENTION: SPARC-RELATED PROTEINS
FILE REFERENCE: PG-0015 CIP
CURRENT APPLICATION NUMBER: US/09/642,703
CURRENT FILING DATE: 2000-08-16
PRIORITY APPLICATION NUMBER: 09/349,015
PRIORITY FILING DATE: 1999-07-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 2
LENGTH: 434
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6524799 6899373.CIF23
US-09-642-703-2

```

Query Match	19.6%;	Score 252.5;	DB 4;	Length 434;
Best Local Similarity	31.7%;	Pred. No. 6.7e-18;		
Matches	70;	Conservative	26;	Mismatches 88;
				Indels 37;
				Gaps 8;

```

Qy      31 EASLTQKQ---QLQASNSGLIGYVPOCKEETEEFEKQMGSGYGVGVGVDEKDKELG 86
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Dd      89 DNGSGKRLERAALEQAKKFGQEAIVFVPECGSDSSFTQVQCHTLYGVGVGVTPDKRPSG 148
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy      87 TKING-SPDGSRRKALTLCOMQALITVNVPEKCGPPSCADGS-----FDEVQ 134

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[illegible]

RESULT 4
US-08-698-551-6

1 Sequence of: 5712381
2 Patent No. 5712381
3
4 GENERAL INFORMATION:
5 APPLICANT: Lin, Lih-ling
6 APPLICANT: Chen, Jennifer H.
7 APPLICANT: Schievella, Andrea
8 APPLICANT: Graham, James
9 TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
10 TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
11 NUMBER OF SEQUENCES: 18
12
13 CORRESPONDENCE ADDRESS:
14 ADDRESSEE: Genetics Institute, Inc.
15 STREET: 87 Cambridgepark Drive
16 CITY: Cambridge
17 STATE: Massachusetts
18 COUNTRY: USA
19 ZIP: 02140
20
21 COMPUTER READABLE FORM:
22 MEDIUM TYPE: Floppy disk
23 COMPUTER: IBM PC compatible
24 OPERATING SYSTEM: PC-DOS/MS-DOS
25 SOFTWARE: PatentIn Release #1.0, Version #1.25
26 CURRENT APPLICATION DATA:
27 APPLICATION NUMBER: US/08/6598, 551

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G1532D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO.: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-698-551-6

Query Match	9.58;	Score 122.5;	DB 1;	Length 186;
Best Local Similarity	35.18;	Pred. No. 6.4e-05;		
Matches	27;	Mismatches 31;	Indels 7;	Gaps 3
		Conservative		

Qy 151 ELHGROGQFPCFCEHLSSECEAKIKANSLSRYEWFCECLGSGSNPVQCMPS-----T 206
Db 96 EHRQESGQ--PGRHHM-EASLELKAISRYVPRAYVLENCURGRGFYKQKQCKPGRGRXR 154
Qy 207 GYCMWCVDGSGVYKPGSD 223
Db 153 GICMWCVDKRYGKMLPGME 169

RESULT 5
US-08-602-228-6
; Sequence 6, Application US/08602228
; Patent No. 5843675
; GENERAL INFORMATION:

```

APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
APPLICANT: Graham, James
TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESS: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,228
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-602-228-6

Query Match
Best Local Similarity 9.5%; Score 122.5; DB 2; Length 186;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

Cy 151 ELECTROGPPTCEHLSCEBARIKAHNSLRVEMFVPECLDGSYNPQCWPS---T 206
| : | | | | | : | | | | | : | | | | | : | | | | |
Db 96 EMRQESBQ--PCRRHM-EASIQELKASPMVPRVAVLPNCRRKGFKKQCKPSRGRKR 152
| : | | | | | : | | | | | : | | | | | : | | | | |
Cy 207 GYCWCVDGEGYKVPQSD 223
| : | | | | | : | | | | | : | | | | | : | | | | |
Db 153 GICWCVDKYGKMLPGME 169
| : | | | | | : | | | | | : | | | | | : | | | | |

RESULT 6
US-08-649-341A-6
; Sequence 6, Application US/08649341A
; Patent No. 5847099
; GENERAL INFORMATION:
; APPLICANT: Lin, Lih-Ling
; APPLICANT: Chen, Jennifer H.
; TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

```

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/649,341A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-649-341A-6

Query Match
Best Local Similarity 9.5%; Score 122.5; DB 2; Length 186;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

Cy 151 ELECTROGPPTCEHLSCEBARIKAHNSLRVEMFVPECLDGSYNPQCWPS---T 206
| : | | | | | : | | | | | : | | | | | : | | | | |
Db 96 EMRQESBQ--PCRRHM-EASIQELKASPMVPRVAVLPNCRRKGFKKQCKPSRGRKR 152
| : | | | | | : | | | | | : | | | | | : | | | | |
Cy 207 GYCWCVDGEGYKVPQSD 223
| : | | | | | : | | | | | : | | | | | : | | | | |
Db 153 GICWCVDKYGKMLPGME 169
| : | | | | | : | | | | | : | | | | | : | | | | |

RESULT 7
US-08-494-440B-6
; Sequence 6, Application US/08494440B
; Patent No. 5849501
; GENERAL INFORMATION:
; APPLICANT: Lin, Lih-Ling
; APPLICANT: Chen, Jennifer H.
; APPLICANT: Schievella, Andrea
; TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
; TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/494,440B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: G15232A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 186 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-494-440B-6

```

Query Match 9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 31; Mismatches 7; Gaps 3;

QY 151 ELEGTRQGRPTCEHHSCECEARIKANSLSRYEMFVEPCLEDSSYNPVOCWPS-----T 206
DB 96 EMQSEEOG--PCRHHM-EASLOELKASPRWPRAVYLPVCDKRGFYRKCKCKPSRGRK 152

QY 207 GYCWCVDEGVKVPBGSD 223
DB 153 GICWCVDKXGMKLPQME 169

RESULT 8
US-08-533-901B-6
Sequence 6, Application US/08533901B

PATENT INFORMATION:

APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea

TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING

NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,901B
FILING DATE:

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-533-901B-6

Query Match 9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 31; Mismatches 7; Gaps 3;

QY 151 ELEGTRQGRPTCEHHSCECEARIKANSLSRYEMFVEPCLEDSSYNPVOCWPS-----T 206
DB 96 EMQSEEOG--PCRHHM-EASLOELKASPRWPRAVYLPVCDKRGFYRKCKCKPSRGRK 152

QY 207 GYCWCVDEGVKVPBGSD 223
DB 153 GICWCVDKXGMKLPQME 169

RESULT 9
US-08-839-032A-6
Sequence 6, Application US/08839032A

PATENT No. 5891675

GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea

TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND PROTEINS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/839,032A
FILING DATE:

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232DI

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-839-032A-6

Query Match 9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 31; Mismatches 7; Gaps 3;

QY 151 ELEGTRQGRPTCEHHSCECEARIKANSLSRYEMFVEPCLEDSSYNPVOCWPS-----T 206
DB 96 EMQSEEOG--PCRHHM-EASLOELKASPRWPRAVYLPVCDKRGFYRKCKCKPSRGRK 152

QY 207 GYCWCVDEGVKVPBGSD 223
DB 153 GICWCVDKXGMKLPQME 169

RESULT 10
US-08-839-031A-6
Sequence 6, Application US/08839031A

PATENT No. 5948638

GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea

TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/839, 031A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.,
REGISTRATION NUMBER: 41,323
REFERENCE/DOCKET NUMBER: G15232BDIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-839-031A-6

Query Match 9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELEGTRQGRPTCRHLSCECEARIKANSLSRVEMFVEPCLEDGSDSYNPVQCWPS-----T 206
DB 96 EKRQSEEG--PCRHH-EASLQELKASPRWVPRAYVLPNCRKQKGFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGVKVPDGS 223
DB 153 GICWCVDYKMKLPQME 169

RESULT 11
US-09-185-258C-6
Sequence 6, Application US/09185258C
Patent No. 6322972
GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
APPLICANT: Graham, James
TITLE OF INVENTION: No. 6322972el TNF receptor death domain ligand proteins and
TITLE OF INVENTION: Inhibitors of ligand binding(as amended)
FILE REFERENCE: GEN-5232CP4DV3
CURRENT APPLICATION NUMBER: US/09/185,258C
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: 08/839, 032
PRIOR FILING DATE: 1997-04-23
PRIOR APPLICATION NUMBER: 08/698, 551
PRIOR FILING DATE: 1996-08-15
PRIOR APPLICATION NUMBER: 08/602, 228
PRIOR FILING DATE: 1996-02-15
PRIOR APPLICATION NUMBER: 08/533, 901
PRIOR FILING DATE: 1995-09-26
PRIOR APPLICATION NUMBER: 08/494, 440
PRIOR FILING DATE: 1995-06-19
PRIOR APPLICATION NUMBER: 08/327, 514
PRIOR FILING DATE: 1994-10-19
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 186
TYPE: PRT
ORGANISM: Homo sapiens
US-09-185-258C-6

Query Match 9.5%; Score 122.5; DB 4; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELEGTRQGRPTCRHLSCECEARIKANSLSRVEMFVEPCLEDGSDSYNPVQCWPS-----T 206
DB 96 EKRQSEEG--PCRHH-EASLQELKASPRWVPRAYVLPNCRKQKGFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGVKVPDGS 223
DB 153 GICWCVDYKMKLPQME 169

RESULT 12
PCT-US95-12724-6
Sequence 6, Application PC/TUS9512724
GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
APPLICANT: Graham, James
TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/12724
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-12724-6

Query Match 9.5%; Score 122.5; DB 5; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELEGTRQGRPTCRHLSCECEARIKANSLSRVEMFVEPCLEDGSDSYNPVQCWPS-----T 206
DB 96 EKRQSEEG--PCRHH-EASLQELKASPRWVPRAYVLPNCRKQKGFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGVKVPDGS 223
DB 153 GICWCVDYKMKLPQME 169

RESULT 13
5212074-7
Patent No. 5212074
APPLICANT: KIEFER, MICHAEL C., MASTARZ, FRANK R.
TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEW
INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6
NUMBER OF SEQUENCES: 7
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/576, 629

FILING DATE: 31-AUG-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 574,613
 FILING DATE: 28-AUG-1990
 SEQ ID NO: 7
 LENGTH: 237
 5212074-7

Query Match 9.5%; Score 122.5; DB 6; Length 237;
 Best Local Similarity 23.0%; Pred. No. 8, 9e-05;
 Matches 52; Conservative 30; Mismatches 73; Indels 71; Gaps 13;

QY 37 CQQLQASANSGL-----IGTVPOCKETEFPEKQCKSGTGYCWCKDDEGKEL 85
 DB 23 CEELVREPGGCGCATGALGMPGCVTPRCG-----SGLRCPYPRGV-----EKPL 69
 QY 86 GTKRGSPDSCRKKAALTCQMCAIIVVPGMCSPCKADG-----SFDEVCCASNG 140
 DB 70 HTLHGQGVCMELAEIAIQSLQ-----PDKDEGHNNSFS--PCSAHDR 115
 QY 141 ECVYCDK-----KXKELESTRQGRP-----TCRHLSCEEARIKAHNSLR 183
 DB 116 R--CLQKHFAKIRDSSTSGKMYNGAPREDARPYQSCQSEIHALL-RLASQSRTH 172
 QY 184 VEMF---VPECLDGSYNVQWPS-----TGYCWCD--EGGVKYPG 221
 DB 173 EDLYIIPNCDDNNGNHFHKQCHPALDGRGKCMCDKRTGVKLG 218

RESULT 14
 US-08-698-551-8
 Sequence 8, Application US/08698551
 Patent No. 5712381
 GENERAL INFORMATION:
 APPLICANT: Lin, Lin-Ling
 APPLICANT: Chen, Jennifer H.
 APPLICANT: Schievella, Andrea
 TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
 TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 CambridgePark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/698,551
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15232D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-698-551-8
 Query Match 9.5%; Score 122.5; DB 1; Length 272;

Best Local Similarity 35.1%; Pred. No. 0.00011;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELBETROQGRPTCEHLSCEEARIKAHNSLRVEMFVPECLDGSYNVQWPS-----T 206
 DB 182 EWRQSEBQ--PCRHH--EASIQELKASPRMVPRAVYLPNCDRGRGFKKQCKPSRGKR 238
 QY 207 GYCWCDGEGVXVPGSD 223
 DB 239 GICWCVDXKGMKLPME 255

RESULT 15
 US-08-602-228-8
 Sequence 8, Application US/08602228
 Patent No. 5843675
 GENERAL INFORMATION:
 APPLICANT: Lin, Lin-Ling
 APPLICANT: Chen, Jennifer H.
 APPLICANT: Schievella, Andrea
 TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
 TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 CambridgePark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/602,228
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15232C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-602-228-8

Query Match 9.5%; Score 122.5; DB 2; Length 272;
 Best Local Similarity 35.1%; Pred. No. 0.00011;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELBETROQGRPTCEHLSCEEARIKAHNSLRVEMFVPECLDGSYNVQWPS-----T 206
 DB 182 EWRQSEBQ--PCRHH--EASIQELKASPRMVPRAVYLPNCDRGRGFKKQCKPSRGKR 238
 QY 207 GYCWCDGEGVXVPGSD 223
 DB 239 GICWCVDXKGMKLPME 255

Search completed: March 23, 2004, 16:02:36
 Job time : 24 secs